

SEQUENCE LISTING

<110> ENDO, Hirofumi
 MIZOGUCHI, Hiroshi
 OZAKI, Akio
 YONETANI, Yoshiyuki
 HASHIMOTO, Shin-ichi

<120> Process for Producing HMG-CoA Reductase Inhibitor

<130> P21289

<140> US 09/869,334

<141> 2001-09-26

<150> PCT JP00/00472

<151> 2000-01-28

<160> 45

<170> PatentIn version 3.2

<210> 1

<211> 396

<212> PRT

<213> Bacillus subtilis

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Gln Glu Ile Thr Asp Glu Leu Ile Gln Lys Phe Gln Gly Arg Ser Glu
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Phe Asp Leu Val His Asp Phe Ser Tyr Pro Leu Pro Val Ile Val Ile
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Asp Ile Ile Ser Ile Leu Val Glu Ala Glu Glu Thr Gly Glu Lys Leu
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Pro Leu Ala Arg Leu Glu Ala Asn Ile Ala Leu Thr Ser Leu Ile Ser
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<212> DNA

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<220>

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<220>

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 <213> Bacillus subtilis

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 tgtttccttt gatgaagaaa accaagtgtg gagcgttttt ctttatgatg atgtcaaaaa 180
 agttgttggg gataaagagt tgttttccag ttgcatgccg cagcagacaa gctctattgg 240
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gcttccggtt attgtgatat ctgagctgct gggagtgcct tcagcgcata tggaacagtt      480
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<211> 396

<212> PRT

<213> Bacillus subtilis

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          20          25          30

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Met	Arg	Lys	Asp	Ala	Pro	Val	Ser	Phe	Asp	Glu	Glu	Asn	Gln	Val	Trp	35	40	45	
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Trp	Ser	Asp	Leu	Leu	Val	Ser	Thr	Pro	Lys	Asp	Lys	Ser	Glu	Glu	Ala	165	170	175	
Glu	Lys	Ala	Phe	Leu	Glu	Glu	Arg	Asp	Lys	Cys	Glu	Glu	Glu	Leu	Ala	180	185	190	
Ala	Phe	Phe	Ala	Gly	Ile	Ile	Glu	Glu	Lys	Arg	Asn	Lys	Pro	Glu	Gln	195	200	205	
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Asn Glu Thr Thr Thr Asn Leu Ile Ser Asn Ala Met Tyr Ser Ile Leu
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Glu Thr Pro Gly Val Tyr Glu Glu Leu Arg Ser His Pro Glu Leu Met
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Pro Gln Ala Val Glu Glu Ala Leu Arg Phe Arg Ala Pro Ala Pro Val
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Leu Arg Arg Ile Ala Lys Arg Asp Thr Glu Ile Gly Gly His Leu Ile
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Lys Glu Gly Asp Met Val Leu Ala Phe Val Ala Ser Ala Asn Arg Asp
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Glu Ala Lys Phe Asp Arg Pro His Met Phe Asp Ile Arg Arg His Pro
 325 330 335

Asn Pro His Ile Ala Phe Gly His Gly Ile His Phe Cys Leu Gly Ala
 340 345 350

Pro Leu Ala Arg Leu Glu Ala Asn Ile Ala Leu Thr Ser Leu Ile Ser
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<212> DNA

<213> Bacillus subtilis

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<210> 44

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<212> DNA

<213> Bacillus subtilis

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<210> 45

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<212> PRT

<213> Bacillus subtilis

<400> 45

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Met Arg Lys Asp Ala Pro Val Ser Phe Asp Glu Glu Asn Gln Val Trp
 35 40 45

Ser Val Phe Leu Tyr Asp Asp Val Lys Lys Val Val Gly Asp Lys Glu
 50 55 60

Leu Phe Ser Ser Cys Met Pro Gln Gln Thr Ser Ser Ile Gly Asn Ser
 65 70 75 80

Ile Ile Ser Met Asp Pro Pro Lys His Thr Lys Ile Arg Ser Val Val
 85 90 95

Asn Lys Ala Phe Thr Pro Arg Ala Met Lys Gln Trp Glu Pro Arg Ile
 100 105 110

Gln Glu Ile Thr Asp Glu Leu Ile Gln Lys Phe Gln Gly Arg Ser Glu
 115 120 125

Phe Asp Leu Val His Asp Tyr Ser Tyr Pro Leu Pro Val Ile Val Ile
 130 135 140

Ser Glu Leu Leu Gly Val Pro Ser Ala His Met Glu Gln Phe Lys Ala
 145 150 155 160

Trp Ser Asp Leu Leu Val Ser Thr Pro Lys Asp Lys Ser Glu Glu Ala
 165 170 175

Glu Lys Ala Phe Leu Glu Glu Arg Asp Lys Cys Glu Glu Glu Leu Ala
 180 185 190

Ala Phe Phe Ala Gly Ile Ile Glu Glu Lys Arg Asn Lys Pro Glu Gln
 195 200 205

Asp Ile Ile Ser Ile Leu Val Glu Ala Glu Glu Thr Gly Glu Lys Leu
 210 215 220

Ser Gly Glu Glu Leu Ile Pro Leu Cys Thr Leu Leu Leu Val Ala Gly
 225 230 235 240

Asn Glu Thr Thr Thr Asn Leu Ile Ser Asn Ala Met Phe Ser Ile Leu
 245 250 255

Glu Thr Pro Gly Val Tyr Glu Glu Leu Arg Ser His Pro Glu Leu Met
 260 265 270

Pro Gln Ala Val Glu Glu Ala Leu Arg Phe Arg Ala Pro Ala Pro Val
 275 280 285

Leu Arg Arg Ile Ala Lys Arg Asp Thr Glu Ile Gly Gly His Leu Ile
 290 295 300

Lys Glu Gly Asp Thr Val Leu Ala Phe Val Ala Ser Ala Asn Arg Asp
 305 310 315 320

Glu Ala Lys Phe Asp Arg Pro His Met Phe Asp Ile Arg Arg His Pro
 325 330 335

Asn Pro His Ile Ala Phe Gly His Gly Ile His Phe Cys Leu Gly Ala
 340 345 350

Pro Leu Ala Arg Leu Glu Ala Asn Ile Ala Leu Thr Ser Leu Ile Ser
 355 360 365

Ala Phe Pro His Met Glu Cys Val Ser Ile Thr Pro Ile Glu Asn Ser
370 375 380

Val Ile Tyr Gly Leu Lys Ser Phe Arg Val Lys Met
385 390 395